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AC WO 98:54359 OTHER DOCUMENTS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Diskemore et al. "Association of Graves" Disease With an Aliele of the Interleukin- 1 Receptor Antagonist Gene ", Journal of Clinical Endoctrology and Melabolism, 80 (1): 111-115 (1995). All Blakemore et al. "Interleukin-1 Receptor Antagonist Gene Polymorphism As a Disease Severity Factor in Systemic Lupus Crythemeticsus", Arthritis & Rheumatism 37(9): 1380-1385 (1994). AJ Blakemore et al. "Interleukin-1 Receptor Antagonist Aliele (IL1RN*2) Associated with Nephropathy in Diabetes Mellitus", Hum. Gen 97: 369-374 (1996). AK Blondelle et al.; "Soluble Combinatorial Libraries of Organic, Peptidomimetic and Peptide Diversities", Trends in Analytical Chemistr 14 (2): 83-92 (1995). AL Clark et al.; "Genomic Sequence for Human Prointerleukin I beta: Possible Evolution from the a Reverse Transcribed Prointerleukin I alpha Gene", Nucleic Acids Research, 14 (20): 7897-7914 (1996). AM Clay et al.; "Interleukin 1 Receptor Antagonist Exon Polymorphisms and Their use in Aliele-Specific mRNA Assessment". Hum. Genet. 97: 723-726 (1996). AN Clay et al.; "An Allele of the Interleukin-1 Receptor Antagonist Exon Polymorphisms and Their use in Aliele-Specific mRNA Assessment". Hum. Genet. 97: 723-726 (1996). AO Cork et al.; "An Analysis of Unkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. et al., "Single Base Polymorphism at -511 in the Human Interleukin-19 Gene (IL16)", Human Molecular Genetics. 1 (6): 43 (September 1992). AR Dinarelio and Wolff, "The Role of Interleukin-1 in Disease", The New England Journal of Medicine, 328(2):106-113 (Jan. 14, 1993).					FC: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			<u> </u>	
OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.) At Blakemore et al., "Association of Graves? Disease With, an Allele of the Interleukin-1 Receptor Antagonist Gene ", Journal of Clinical Endocranology and Metabolism, 80 (1): 111-115 (1995). At Blakemore et al., "Interleukin-1 Receptor Antagonist Gene Polymorphism As a Disease Severity Factor In Systemic Lupus Crythematosus", Arbinita & Rheumatism 37(9): 1380-1385 (1994). At Blakemore et al., "Interleukin-1 Receptor Antagonist Allele (IL1RN*2) Associated with Nephropathy in Diabetes Mellitus", Hum. Gene 37, 369-374 (1996). At Blondelle et al., "Soluble Combinatorial Libraries of Organic, Peptidomimetic and Peptide Diversities", Trends in Analytical Chemistr 14 (2): 63-92 (1995). At Clark et al., "Genomic Sequence for Human Prointerleukin I beta: Possible Evolution from the a Reverse Transcribed Prointerleukin I alpha Gene", Nucleic Acids Research, 14 (20): 7897-7914 (1996). An Clay et al., "Interleukin 1 Receptor Antagonist Gene Polymorphism Association With Lichen Sciencess", Hum. Genet., 94: 407-410 (1994). An Clay et al., "Novel Interleukin-1 Receptor Antagonist Exon Polymorphisms and Their use in Allele-Specific mRNA Assessment". His Genet. 97: 723-726 (1996). An Cork et al., "Novel Interleukin-1 Receptor Antagonist Exon Polymorphisms and Their use in Allele-Specific mRNA Assessment". His Genet. 97: 723-726 (1996). AD Cork et al., "An Analysis of Linkage Disseptilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet., 62: 1180-1188 (1998). An Dinarelio and Wolff; "The Role of Interleukin-1 in Disease", The New England Journal of Medicine, 328(2):106-113 (Jan. 14, 1993).		ΑF	WO 98/40517	09/17/98	PCT PCT			<u> </u>	×
Blakemore et al.: "Association of Graves" Disease With an Allele of the Interleukin- 1 Receptor Antagonist Gene ", Journal of Clinical Endocrinology and Metabolism, 80 (1): 111- 115 (1995). All Blakemore et al.: "Interleukin-1 Receptor Antagonist Gene Polymorphism As a Disease Severity Factor In Systemic Lupus Enythematosus", Arthritis & Rheumatism 37(9): 1380-1385 (1994). All Blakemore et al.: "Interleukin-1 Receptor Antagonist Alkele (iL1RN*2) Associated with Nephropathy in Diabetes Metilitus", Hum. Gene 97: 369-374 (1996). AK Blondelle, et al.: "Soluble Combinatorial Libraries of Organic, Peptidomimetic and Peptide Diversities", Trends in Analytical Chemistr 14 (2): 63-92 (1995). AL Clark et al.: "Genomic Sequence for Human Prointerleukin I beta: Possible Evolution from the a Reverse Transcribed Prointerleukin I alpha Gene ", Nucleic Acids Research, 14 (20): 7897-7914 (1986). AM Clay et al.: "Interleukin 1 Receptor Antagonist Gene Polymorphism Association With Lichen Scierosus", Hum. Genet. 94: 407-410 (1994). AN Clay et al.: "Novel Interleukin-1 Receptor Antagonist Exon Polymorphisms and Their use in Allele-Specific mRNA Assessment", Humostigative Demantology, 104 (5 Supplement): 158-169 (May 1995). AD Cork et al.: "An Allele of the Interleukin-1 Receptor Antagonist as a Genetic Severity Factor in Alopecia Areata", The Journal of Investigative Demantology, 104 (5 Supplement): 158-169 (May 1995). AD Cox et al.: "An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multialletic Markers", Am. J. Hum. Genet. 62: 1180-1188 (1998). AD Di Giovine et al., "Single Base Polymorphism at -511 in the Human Interleukin-1β Gene (IL1β)", Human Molecular Genetics. 1 (6): 43 (September 1992).		AG	WO 98/54359	12/03/98	PCT			<u> </u>	
All Blakemore et al.; "Interfeukin-1 Receptor Antagonist Gene Polymorphism As a Disease Severity Factor In Systemic Lupus Enythematosus", Arthritis & Rheumatism 37(9): 1380-1385 (1994). All Blakemore et al.; "Interfeukin-1 Receptor Antagonist Alkele (IL1RN*2) Associated with Nephropathy in Diabetes Mellitus", Hum. Gene 97: 369-374 (1996). AK Blondelle et al.; "Scluble Combinatorial Libraries of Organic, Peptidomimetic and Peptide Diversities", Trends in Analytical Chemistr 14 (2): 83-92 (1995). AL Clark et al.; "Genomic Sequence for Human Prointerfeukin I beta: Possible Evolution from the a Reverse Transcribed Prointerfeukin I alpha Gene", Nucleic Acids Research, 14 (20): 7697-7914 (1996). AM Clay et al.; "Interfeukin 1 Receptor Antagonist Gene Polymorphism Association With Lichen Scierosus", Hum. Genet. 94: 407-410 (1994). AN Clay et al.; "Novel Interfeukin-1 Receptor Antagonist Exon Polymorphisms and Their use in Allele-Specific mRNA Assessment", Hum. Genet. 97: 723-726 (1996). AD Cork et al.; "An Aliele of the Interfeukin-1 Receptor Antagonist as a Genetic Severity Factor in Alopecia Areata". The Journal of Investigative Dermatology, 104 (5 Supplement); 15s-16s (May 1995). AD Cork et al.; "An Analysis of Linkage Disequilibrium in the Interfeukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet. 62: 1160-1188 (1998). AD Di Giovine et al.; "Single Base Polymorphism at -511 in the Human Interleukin-1β Gene (IL1β)", Human Molecular Genetics. 1 (6): 43 (1996).									
AM Clay et al.; "Interleukin 1 Receptor Antagonist Gene Polymorphism Association With Uchen Sclerosus", Hum. Genet., 94: 407-410 (1994). AN Clay et al.; "Novel Interleukin-1 Receptor Antagonist Exon Polymorphisms and Their use In Allele-Specific mRNA Assessment", Human Genet. 97: 723-726 (1996). AO Cork et al.; "An Aliele of the Interleukin-1 Receptor Antagonist as a Genetic Severity Factor in Alopecia Areata", The Journal of Investigative Dermatology, 104 (5 Supplement): 159-16s (May 1995). AP Cox et al.; "An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet., 62: 1180-1188 (1998). AQ DI Giovine et al., "Single Base Polymorphism at -511 in the Human Interleukin-1β Gene (IL1β)", Human Molecular Genetics. 1 (6): 40 (September 1992). AR Dinarello and Wolff; "The Role of Interleukin -1 In Disease", The New England Journal of Medicine. 328(2):106-113 (Jan. 14, 1993).	<u>></u> -	Al	Blakemore et al.; "Interlea Erythematosus ", Arthritis	ukin-1 Recepto & Rheumatisn	r Antagonist Gene Polymorphism As a Dise n 37(9): 1380-1385 (1994).	sase Severity F	actor In Systemi	ic Lupus	
AN Ctay et al.; "Novel Interleukin-1 Receptor Antagonist Exon Polymorphisms and Their use In Allele-Specific mRNA Assessment ". Hu. Genet. 97: 723-726 (1996). AO Cork et al.; "An Allele of the Interleukin-1 Receptor Antagonist as a Genetic Severity Factor in Alopecia Areata". The Journal of Investigative Dermatology, 104 (5 Supplement): 15s-16s (May 1995). AP Cox et al.; "An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet., 62: 1180-1188 (1998). AQ DI Giovine et al., "Single Base Polymorphism at -511 in the Human Interleukin-1β Gene (IL1β)", Human Molecular Genetics. 1 (6): 40 (September 1992). AR Dinarello and Wolff; "The Role of Interleukin -1 In Disease ", The New England Journal of Medicine, 328(2):106-113 (Jan. 14, 1993).	> _ _	AJ AK	Blakemore et al.; "Interlet Erythematosus ", Arthritis Blakemore et al.; "Interlet 97: 369-374 (1996). Blondelle et al.; " Soluble 14 (2): 83-92 (1995).	ukin-1 Recepto & Rheumatisn ukin-1 Recepto e Combinatorial	r Antagonist Gene Polymorphism As a Disc n 37(9): 1380-1385 (1994). r Antagonist Allele (IL1RN*2) Associated I Libraries of Organic, Peptidomimetic and	with Nephropat	actor In Systemi hy In Diabetes M ties *, Trends in A	ic Lupus fellitus", Hui Analytical Ch	m. Genet
Genet. 97: 723-726 (1996). AO Cork et al.; "An Aliele of the Interleukin-1 Receptor Antagonist as a Genetic Severity Factor in Alopedia Areala", The Journal of Investigative Dermatology, 104 (5 Supplement): 15s-16s (May 1995). AP Cox et al.; "An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hurn. Genet., 62: 1180-1188 (1998). AQ Di Giovine et al., "Single Base Polymorphism at -511 in the Human Interleukin-1β Gene (IL1β)", Human Molecular Genetics. 1 (6): 49 (September 1992). AR Dinarelio and Wolff; "The Role of Interleukin -1 In Disease", The New England Journal of Medicine, 328(2):106-113 (Jan. 14, 1993).	<u> </u>	AJ AK AL	Blakemore et al.: "Interlet Erythematosus". Arthritis Blakemore et al.: "Interlet 97: 369-374 (1996). Blondelle et al.: "Soluble 14 (2): 83-92 (1995). Clark et al.: "Genomic Se alpha Gene", Nucleic Ac	ukin-1 Recepto & Rheumalism ukin-1 Recepto Combinatorial rquence for Hui ds Research,	r Antagonist Gene Polymorphism As a Disc n 37(9): 1380-1385 (1994). r Antagonist Allele (IL1RN°2) Associated I Libraries of Organic, Peptidomimetic and man Prointerfeukin I beta: Possible Evolution 14 (20): 7897-7914 (1986).	with Nephropat Peptide Diversion from the a Re	actor In Systemi hy in Diabetes M ties *, Trends in A everse Transcrib	ic Lupus fellitus", Hui Analytical Ci	m. Genet nemistry aukin I
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AQ DI Giovine et al., "Single Base Polymorphism at -511 in the Human Interleukin-1β Gene (IL1β)", Human Molecular Genetics, 1 (6): 45 (September 1992). AR Dinarello and Wolff; "The Role of Interleukin -1 In Disease", The New England Journal of Medicine, 328(2):106-113 (Jan. 14, 1993).	> - -	AI AK AL	Blakemore et al.: "Interlet Erythematosus". Arthritis Blakemore et al.: "Interlet 97: 369-374 (1996). Blondelle et al.: "Soluble 14 (2): 83-92 (1995). Clark et al.: "Genomic Se alpha Gene", Nucleic Ac Clay et al.: " Interleukin 1 (1994).	ukin-1 Recepto & Rheumatisn ukin-1 Recepto e Combinatorial equence for Hui dis Research, Receptor Anta	r Antagonist Gene Polymorphism As a Disc n 37(9): 1380-1385 (1994). r Antagonist Allele (iL1RN*2) Associated I Libraries of Organic, Peptidomimetic and man Prointerleukin I beta: Possible Evolution 14 (20): 7897-7914 (1986).	with Nephropat Peptide Diversion from the a Re	actor In Systemi hy In Diabetes M ties *, Trends in A everse Transcrib erosus *, Hum. C	dellitus", Hui Analytical Cl and Prointeria Senet., 94: 4	m. Genet nemistry aukin I
(September 1992). AR Dinarello and Wolff, "The Role of Interleukin -1 In Disease ", The New England Journal of Medicine, 328(2):106-113 (Jan. 14, 1993).	> - - -	AI AK AL AM	Blakemore et al., "Interlet Erythematosus", Arthritis 97: 369-374 (1996). Blondelle et al.; "Soluble 14 (2): 83-92 (1995). Clark et al.; "Genomic Se alpha Gene", Nuclaic Ac Clay et al.; "Interleukin 1 (1994). Clay et al.; "Novel Interle Genet. 97: 723-726 (1996).	ukin-1 Recepto & Rheumatism ukin-1 Recepto c Combinatorial rquence for Hur ds Research, Receptor Anta aukin-1 Recepto the Interleukin-	r Antagonist Gene Polymorphism As a Disc n 37(9): 1380-1385 (1994). r Antagonist Allele (iL1RN*2) Associated I Libraries of Organic, Peptidomimetic and man Prointerleukin I beta: Possible Evolution 14 (20): 7897-7914 (1986). Ingonist Gene Polymorphism Association V or Antagonist Exon Polymorphisms and Tr -1 Receptor Antagonist as a Genetic Sever	with Nephropat Peptide Diversion from the a Re- Vith Lichen Science in Allele	actor In Systemi hy In Diabetes M ties *, Trends in a everse Transcrib erosus *, Hum. C	Mellitus*, Hui Analytical Cl and Prointerle Senet., 94: 4	m. Genet nemistry aukin I 07-410
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11 916/cc	> - - - -	AL AM AN AO	Blakemore et al., "Interlet Erythematosus", Arthritis 97: 369-374 (1996). Blondelle et al.; "Soluble 14 (2): 83-92 (1995). Clark et al.; "Genomic Se alpha Gene", Nucleic Ac Clay et al.; "Interleukin 1 (1994). Clay et al.; "Interleukin 1 (1994). Cork et al.; "An Aliele of Investigative Dermatolog Cox et al.; "An Analysis Markers", Am. J. Hum. G	ukin-1 Recepto & Rheumatism ukin-1 Recepto Combinatorial counce for Hur dis Research, Receptor Anta ukin-1 Receptor Anta dis Research, of Linkage Dis enet., 62: 118	r Antagonist Gene Polymorphism As a Disc n 37(9): 1380-1385 (1994). r Antagonist Allele (iL1RN°2) Associated I Libraries of Organic, Peptidomimetic and man Prointerfeukin I beta: Possible Evolution 14 (20): 7897-7914 (1986). Igonist Gene Polymorphism Association V or Antagonist Exon Polymorphisms and The Company of the Polymorphism of the Pol	with Nephropat Peptide Diversi on from the a Re Vith Uchen Scle left use in Allele ity Factor in Alo	hy in Diabetes M ties *, Trends in A everse Transcrib erosus *, Hum. C e-Specific mRNA	Analytical Classification of Prointerle Senet., 94: 4 Assessment	m. Genet nemistry aukin I 07-410 nt *. Hum
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	AS	Gasparini et al.; "Restriction Signature Polymerase Chain Reaction (RG-PCR) for Control of Hidden Genetic Variation: Application to the St Some Common Cystic Fibrosis Mulations", Moioc Common Cystic Fibrosis Mulations, Moioc Cystic Fibrosis Mulations, Moio
 	AT	Gibbs et al.; "Detection of Single DNA Base Differences by Competitive Oligonucleotide Priming ", Nucleic Acids Research 17(7): 2437-2448 (1989).
	AU	Kristiansen et al.; " A Novel Interleukin-1β Gene Polymorphism: Relevance for IDDM Age-at-Onset? ", Immunology 47: A 219(Suppl. no.0847), (1998).
	AV	Lai et al.; " Reduced Susceptibility To IL-1 And Endotoxin In Transgenic Mice Expressing IL-1 In Their Lens", Cytokine, 8(4): 288-293 (April 1996).
	AW	Levine et al.: "Sonic Hedghog Promotes Rod Photoreceptor Differentiation in Mammalian Retinal Cells In Vitro", The Journal of Neuroscience, 17(16): 6277-6288 (August 15, 1997).
	AX	Mansfield et al.; "Novel Genetic Association Between Ulcerative Colitis and the Anti-Inflammatory Cytokine Interleukin-1 Receptor Antagonist", Gastroenterology, 106:637-642 (1994).
	AY	McDowell et al.: "a Genetic Association Between Juvenile Rheumatoid Arthritis and a Novel Interleukin-1 a Polymorphism", Arthritis and Rheumatism, 38 (2): 221-228 (February 1995).
	AZ	MØlvig et al.; "Endotoxin- Stimulated Human Monocyte Secretion of Interleukin-1, Tumour Necrosis Factor Alpha, and Prostaglandin E ₂ Shows Stable Interindividual Differences", Scand. J. Immunol. 27 : 705-716 (1988).
	ВА	Orita et al.; "Detection of Polymorphisms of Human DNA by Gel Electrophoresis as Single-Strand Conformation Polymorphisms", Proc. Nattl. Acad. Sci. USA 86: 2766-2770 (April 1989).
	ВВ	Pociot et al.; "A Tql Polymorphism in the Human Interleukin-1β (IL-1 β) Gene Correlates With IL-1β Secretion in Vitro", European Journal of Clinical Investigation 22: 396-402 (1992).
	ВС	Tarlow et al.; "Polymorphism in Human IL-1 Receptor Antagonist Gene Intron 2 is Caused by Variable Numbers of an 86-bp Tandem Repeat", Human Genetics, 91 :403-404 (1993).
	BD	Xie et al.; "Mutations of the PATCHED Gene in Several Types of Sporadic Extracutaneous Tumors ¹ ", Cancer Research 57:2369-2372 (June 15, 1997).
PS	BE	INTERNATIONAL SEARCH REPORT Mailed on June 7, 2000.
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